

**Improving the Quality of Internet Access in the Boarding Environment by
Arranging Access Point Layout and Bandwidth Management**

SKRIPSI



arranged by

Constantin Menteng

16.61.0084

**DEGREE PROGRAM
INFORMATICS ENGINEERING STUDY PROGRAM
AMIKOM UNIVERSITY YOGYAKARTA
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**Improving the Quality of Internet Access in the Boarding Environment by
Arranging Access Point Layout and Bandwidth Management**

SKRIPSI

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achieve a Bachelor's degree
in the Informatics Engineering Study Program



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**Improving the Quality of Internet Access in the Boarding Environment by
Setting the Router Layout and Bandwidth Management**

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Arranging Access Point Layout and Bandwidth Management**

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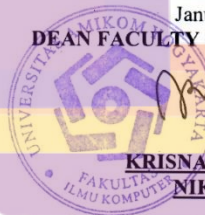


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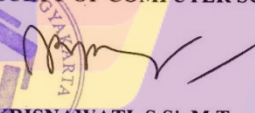


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STATEMENT

I, the undersigned, declare that this thesis is my own work (ORIGINAL), and the contents of this thesis have not been submitted by anyone else to obtain an academic degree at any higher education institution, and to the best of my knowledge works or opinions that have been written and / or published by others, except those in writing referred to in this text and mentioned in the bibliography.

Everything related to the manuscript and works that have been made are my personal responsibility.

Yogyakarta, 17 January 2020

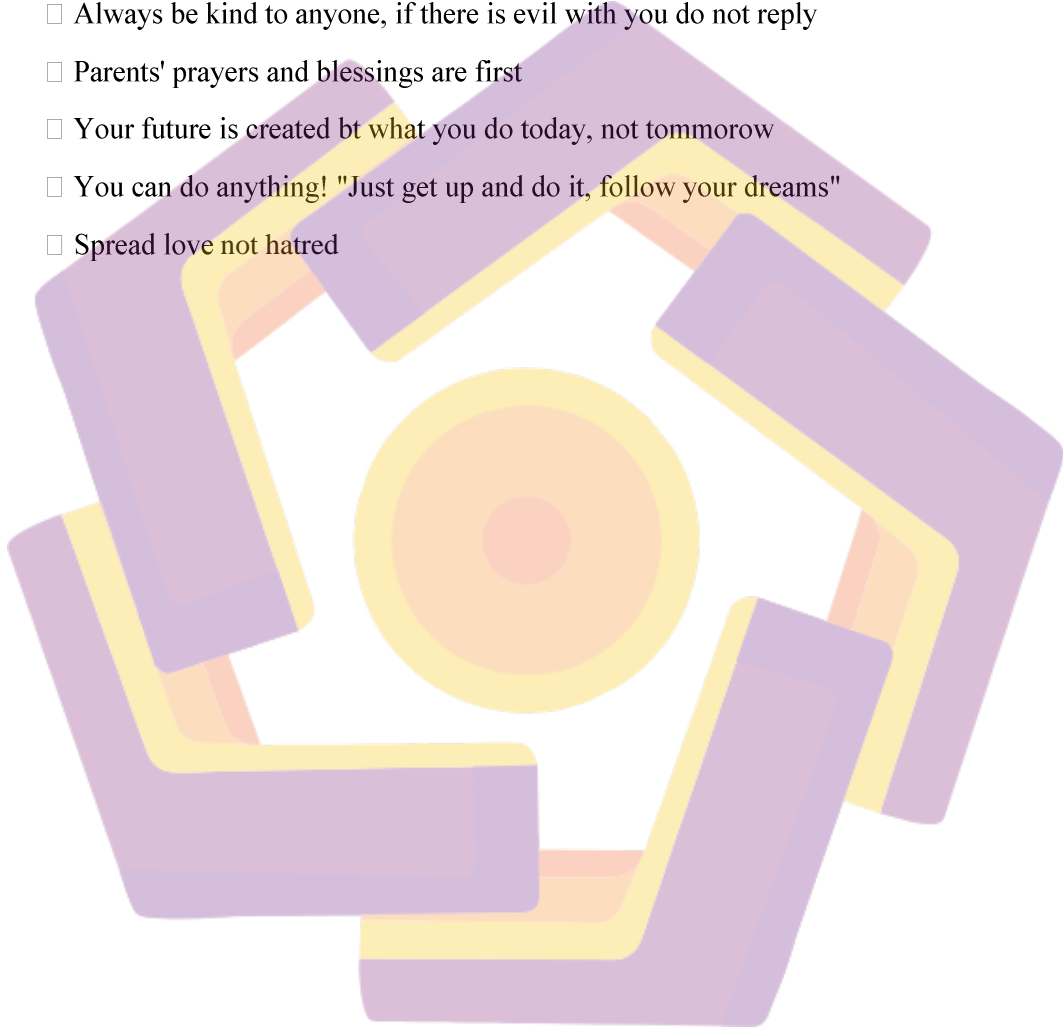


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MOTTO

- Honor both parents as if respecting your god
- Be thankful for what God has given us
- Do not heap your work, do it even if only a grain of dust
- Always be kind to anyone, if there is evil with you do not reply
- Parents' prayers and blessings are first
- Your future is created by what you do today, not tomorrow
- You can do anything! "Just get up and do it, follow your dreams"
- Spread love not hatred



OFFERINGS

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- Amikom Campus which has given me a lot of knowledge and experience as well as new brothers and sisters from all over Indonesia. Continue to develop into the best campus in Yogyakarta.

Kata Pengantar
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Praise for the presence of Allah SWT because of the blessings and guidance that has been given so that the author can complete the thesis with the title "Filtering websites on online gambling sites on wireless networks with wireless hotspots at boarding houses with beautiful gems using Haplite LITE routers". This thesis was prepared as one of the requirements for completing studies at the undergraduate level majoring in Informatics at Yogyakarta Amikom University and to get a Bachelor of Computer (S.Kom) degree.

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Yogyakarta, 17 January 2020
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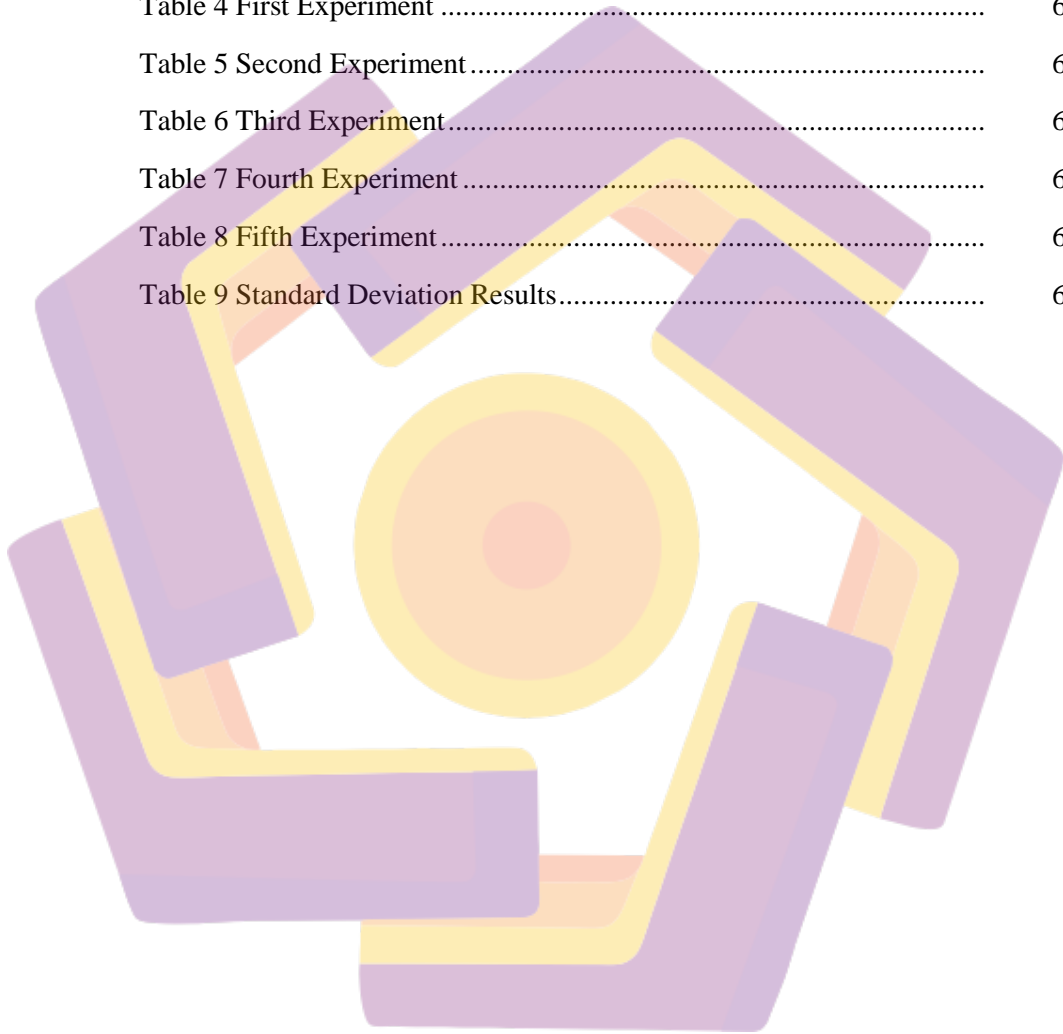
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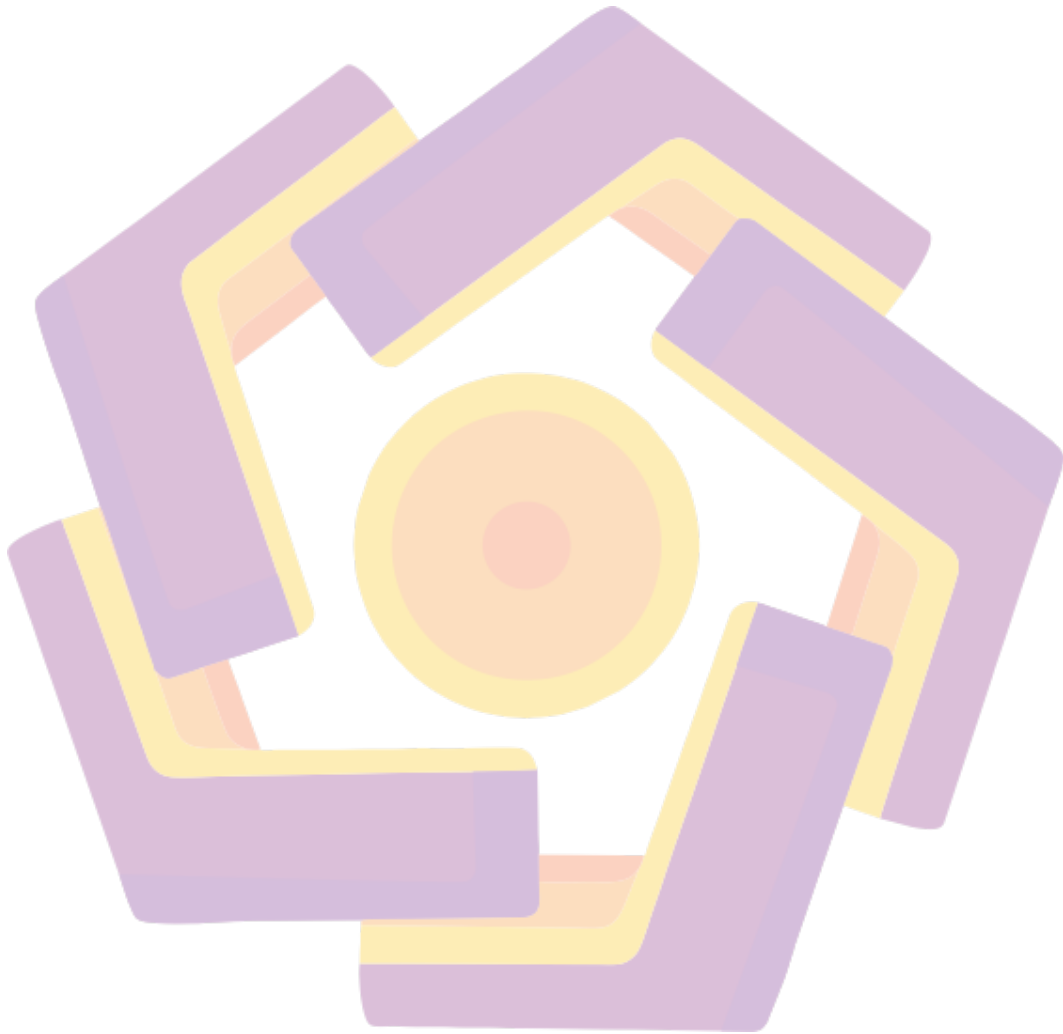
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ABSTRACT

In this modern era, the author says "if we go to a cafe or 'internet shop' and want internet access with speed and quota that suits our needs, we will be asked to choose a voucher package that suits your needs. With these demands to increase mobility and to be supported by radio frequency technology, the creation of Wireless Local Area Network (WLAN) technology is created. " Hotspot is a term used for wireless LAN facilities available in certain areas. Applications that are widely used for hotspot one of which is the Internet. So, with a hotspot, users can share wireless internet connections, wireless printing, and so on.

Wireless internet / hotspot services, should be able to provide easy services for hotspot users and for the management of hotspot service owners. Ease of service for customers is ease in terms of use, while ease for management is ease in reporting data (data records).

from the conclusions that can be known, the reader can determine the exact location and placement of the router and AP. here also the author provides an internet quota limitation for each room that uses it so that internet quota users from indihome are not wasteful and do not run out quickly.

Keyword: WLAN, Hotspot, Data, Wireless, Router,